MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER, 1936

J. A. BROWN, DIRECTOR

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DECEMBER 1936

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.9	58.0	57.7	58.5	21.7	18.3	18.7	20.4	19.3	19.5
2	5.3	5.4	6.7	5.8	22.1	14.3	20.4	16.1	15.9	17.5
3	7.5	7.1	7.9	7.5	19.8	13.4	18.3	17.6	16.7	17.5
4	9.8	9.6	60.0	9.8	19.4	15.8	17.2	19.0	17.3	17.8
5	60.4	9.9	60.4	60.2	20.0	12.2	17.7	19.1	14.8	17.2
6	63.3	64.1	65.9	64.4	17.3	12.3	12.5	16.8	13.8	14.4
7	6.3	6.1	6.9	6.4	17.5	11.9	15.2	16.8	13.8	15.3
8	6.8	5.3	6.1	6.1	16.9	12.8	13.1	16.0	16.5	15.2
9	6.5	5.8	6.2	6.2	17.9	11.2	15.3	16.8	16.4	16.2
10	6.5	5.6	6.1	6.1	16.6	11.3	13.2	16.3	12.9	14.1
11	66.1	65.9	66.4	66.1	16.2	10.7	13.7	15.6	12.6	14.0
12	7.9	7.1	7.8	7.6	15.8	11.3	13.2	15.6	12.6	13.8
13	8.2	7.6	8.7	8.2	16.2	11.1	13.6	15.3	13.5	14.1
14	70.1	8.8	9.4	9.4	15.8	11.1	13.4	14.8	12.6	13.6
15	68.3	6.0	5.6	6.6	15.5	12.6	13.6	14.4	11.8	13.3
16	64.9	63.0	63.4	63.8	16.2	13.9	15.0	16.5	14.5	15.3
17	1.7	0.5	2.8	1.7	19.1	14.6	15.5	20.8	15.2	17.2
18	4.4	3.1	3.5	3.7	18.1	12.9	15.9	17.7	14.1	15.9
19	2.2	0.4	59.4	60.7	17.6	13.0	13.7	16.8	14.8	15.1
20	58.1	56.8	6.5	57.1	17.4	9.4	15.7	14.2	14.4	14.8
21	57.6	58.1	60.4	58.7	15.1	10.6	10.6	14.4	14.1	13.0
22	62.7	63.2	4.9	63.6	16.7	11.7	13.7	15.5	12.8	14.0
23	6.5	5.8	7.0	6.4	16.9	12.3	14.4	16.8	14.4	15.2
24	7.4	6.1	6.1	6.5	16.9	12.3	14.8	14.4	13.8	14.3
25	5.5	3.4	3.2	4.0	16.5	12.1	14.9	16.0	14.1	15.0
26	60.5	59.4	59.5	59.8	14.7	11.2	12.1	12.8	12.2	12.4
27	57.9	4.8	3.9	5.5	14.7	8.8	14.8	13.5	12.3	13.5
28	3.8	5.6	8.9	6.1	12.9	5.3	11.6	9.6	6.8	9.3
29	63.8	65.6	67.5	65.6	9.1	6.7	6.9	7.2	7.8	7.3
30	6.8	6.0	7.7	6.8	15.0	8 7	10.9	14.3	12.7	12.6
31	73.1	72.7	74.1	73.3	12.8	5.8	9.6	9.7	7.2	8.8
	63.54	62.80	63.57	63.30	16.72	11.60	14.17	15.51	13.60	14.42

Barometer, range for month 753.8 mm.–774.1 mm.

,, 50-yr. average for month 763.285 mm.

Thermometer, Range for month 5.3° C.—22.1° C.

,, 50-yr. average for month 15.90° C.

Rain, total for month 181.892 mm.

,, , 50-yr. average for month 190.750 mm.

,, , total, Sept. 1st to end of month 485.508 mm.

,, 50-yr. average, Sept. 1st to end of month 385.830 mm

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	13.8	16.6	13.5	9.9	11.6	8.5	10.0	57	64	51	57	3.7	
2	14.9	15.5	15.3	9.4	12.7	12.5	11.5	51	94	95	80	0.0	26.797
3	14.2	14.9	12.8	9.6	10.9	8.9	9.8	61	73	63	66	4.4	2.870
4	13.4	13.7	12.6	9.3	8.8	8.3	8.8	64	53	57	58	7.5	8.560
5	11.6	12.8	13.6	7.3	7.9	10.8	8.7	48	47	86	61	4.9	19.304
6	11.8	12.4	11.7	9.8	9.0	9.0	9.3	91	63	77	77	4.0	12.319
7	12.6	13.1	11.7	9.3	9.1	9.0	9.1	73	64	77	71	5.3	9.398
8	10.6	12.9	10.8	8.1	9.3	6.9	8.1	72	69	50	64	0.7	
9	11.9	12.5	11.1	8.6	8.5	7.2	8.1	67	59	52	59	9.3	
10	9.2	12.3	7.8	6.8	8.4	5.6	6.9	60	61	51	57	9.2	
11	8.0	9.7	6.2	5.6	6.3	4.6	5.5	48	48	43	46	9.2	
12	7.2	11.1	8.4	5.1	7.6	6.2	6.3	46	58	57	54	8.9	
13	8.1	10.9	6.1	5.5	7.5	3.3	5.4	48	57	29	45	8.8	
14	6.2	9.2	5.2	3.4	6.2	2.9	4.2	30	49	27	35	9.0	
15	6.9	10.6	6.3	4.1	7.5	4.9	5.5	37	61	47	48	8.5	
16	7.3	11.9	7.2	3.8	8.0	3.9	5.2	30	57	31	39	8.8	
17	9.1	12.7	11.1	5.8	7.2	7.7	6.9	44	39	60	48	3.4	0.508
18	11.8	14.2	11.5	8.1	10.0	8.6	8.9	60	67	72	66	7.6	0.508
19	11.1	13.8	11.7	8.4	10.0	8.5	9.0	72	71	68	70	4.8	
20	13.4	12.7	12.8	10.1	10.0	9.8	10.0	76	83	77	79	4.1	1.016
21	9.7	12.2	11.2	8.5	9.3	8.3	8.7	89	76	70	78	4.1	25.451
22	11.2	12.7	11.2	8.5	9.3	8.9	8.9	72	71	81	75	6.0	1.016
23	11.5	13.3	12.2	8.7	9.3	9.3	9.1	74	66	76	72	7.2	0.254
24	12.3	12.9	11.8	9.2	10.2	9.1	9.5	73	83	77	78	4.2	3.455
25	11.7	13.2	11.3	8.5	9.6	8.4	8.8	68	72	71	70	8.6	
26	11.5	12.1	11.1	9.7	10.0	9.1	9.6	92	91	87	90	2.1	12.442
27	11.9	10.7	11.1	8.8	8.1	9.1	8.7	70	69	84	74		26.670
28	8.7	8.2	6.1	6.9	7.4	6.6	7.0	68	84	90	81		20.984
29	5.7	6.6	5.9	6.3	6.9	6.0	6.4	84	91	77	84		10.162
30	8.2	10.3	9.8	6.8	7.4	7.5	7.2	71	60	69	67		0.178
31	4.8	5.6	4.2	4.5	4.9	4.9	4.8	50	55	64	56		
							7.93				64.7		5.87

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

50-year averages are for period, 1875-1924

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Date	Clouds Clear—0 Overcast—10				Direction and force of wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	7ci	10ci	6ci	7.7	0	2se	0	216.6	slight	fog ltng. p.m.
2	10nicu	10ni	10ni	10.0	2s	2s	1s	621.4	rough	
3	5cu	8cu	5cu	6.0	5s	4s	3s	608.6	,,	
4	5cu	6cu	0	3.7	1s	6s	2s	582.6	,,	
5	2ci	3cu	10ni	5.0	4s	5s	4s	611.6	,,	
6	9nicu	7cu	2ci	6.0	2s	2s	1s	571.3	,,	
7	5cu	7cicu	5cu	5.7	0	2sw	0	130.2	,,	
8	10ci	10ci	3cu	7.7	0	0	1se	51.7	mod.	
9	0	0	0	0.0	0	1s	5nw	285.4	slight	mist a.m.
10	4ci	0	0	1.3	0	0	1se	126.6	mod.	
11	2cu	2cu	0	1.3	1s	1s	1s	234.9	slight	
12	0	2cu	0	0.7	1s	0	1sw	97.6	calm	
13	1cu	3cu	0	1.3	1se	0	3se	155.1	,,	
14	1cu	2cu	0	1.0	3s	1sw	3e	318.9	mod.	
15	0	4ci	0	1.3	2e	1e	3e	252.5	,,	
16	0	0	0	0.0	1e	3s	3ne	278.4	,,	
17	8cu	8stcu	10nicu	8.7	0	0	0	159.2	,,	
18	9cu	5cu	0	4.7	0	2sw	0	46.7	,,	
19	5ci	10ci	10stcu	9.7	0	0	0	16.5	slight	mist a.m.
20	8cu	10ni	10nicu	9.3	0	2s	4sw	40.2	mod.	lightning p.m.
21	10ni	6cu	6cu	7.3	0	1s	4sw	110.7	rough	
22	7cu	10nicu	4cu	7.0	1se	2s	0	67.1	mod.	
23	10stcu	6cu	10nicu	8.7	0	3s	2sw	193.1	slight	mist a.m.
24	4cu	7cu	3cu	4.7	0	0	0	86.4	calm	
25	4cu	0	1cu	1.7	0	1s	0	81.8	,,	
26	10ni	10ni	7stcu	9.0	0	1n	0	165.7	,,	
27	8ni	10ni	10ni	9.3	3n	3n	4n	843.2	rough	gale
28	10ni	10ni	10ni	10.0	6w	6w	2w	997.8	stormy	gale
29	10ni	10ni	8cu	9.3	1w	2n	0	254.3	rough	
30	9cu	6cu	4cu	6.3	2n	4n	5n	482.8	,,	
31	0	0	1cu	0.3	6n	2n	1n	302.6	,,	
				5.31	1.4	1.9	1.7	290.04		

4 7 6

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	3	0	2	2	8	0	2	0	14	31
14:30	5	0	1	1	13	3	1	0	7	31
20:30	3	1	2	3	6	4	1	1	10	31
Totals	11	1	5	6	27	7	4	1	31	93

Number of days with rain 18, fog 1, thunderstorms 0, gale 2.

50-yr. average number of days with rain during month 13.4

35-39